



NIJ-STD-0101.06, Level IIIA – Test Report

Client:	Dazzeon Technology Co., Ltd. Attention: Thomas Chen 6F, No. 337, Sec. 1, Dunhua S. Rd. Da'an Dist. Taipei City, Taiwan 10685
Report date:	18 May 2017
Job number:	000007238A
Test procedure and supporting documentation:	Per Customer Instructions NIJ-STD-0101.06, Level IIIA
Sample receipt, identification information, and disposition:	The sample(s) were received on 17 May 2017 . Sample item identification and description details are provided on the attached data record(s). The test sample(s) were inspected prior to testing and no anomalies were discovered. Sample(s) will be returned, discarded, or held, per customer instructions.
Test date(s) and location:	Testing commenced on 18 May 2017 , at the H.P. White Laboratory, Inc. facilities located at 3114 Scarboro Road, Street, Maryland. Testing concluded on 18 May 2017 .
Report prepared by:	Tiffany Haines, Customer Operations Specialist
Report reviewed by:	Ray McBride, General Manager
Revision number and date:	NA
Test data transmittal method and storage location:	This test report and test data were transmitted via email in a manner compliant with ISO 17025 requirements. Permanent electronic and hardcopy files are maintained in accordance with HPWLI data storage policy on data storage systems, filed by job number.
Disclaimer:	Testing was performed on sample(s) provided by the client. H.P. White Laboratory, Inc. holds no responsibility for sample selection methods. This report is based on data obtained from testing only the sample(s) submitted, and should NOT be interpreted as an endorsement by H.P. White Laboratory, Inc. of the continuing quality or performance of any other items of the same, or similar, design. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. This testing was performed by H.P. White Laboratory, Inc. to client specification, and the test results are the property of the client, who holds all rights of reproduction or publication of this report and related test data.
Destination control statement:	These items are controlled by the U.S. government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.

Ballistic Resistance Testing: All testing was conducted on an indoor range at ambient conditions, in accordance with your instructions and the modified provisions of NIJ-STD-0101.06, Level IIIA. Testing was conducted using caliber .44 MAG, 240 gr., SJHP; and .357 SIG, 125 gr., FMJ FN ammunition. The test sample(s) were positioned 17.3 feet from the muzzle of the barrel to produce zero (0°), thirty (30°) and forty-five (45°) degree obliquity impacts. Photoelectric infrared screens were located at 6.5 feet and 11.5 feet which, in conjunction with electronic chronographs, were used to compute bullet velocities at 9.0 feet forward of the muzzle. Penetrations were determined by visual examination of the 5.5-inch-thick clay backing material. Back-face signature was measured using a calibrated digital depth gauge. Table I provides a summary of information on the attached data record(s).

Table I: Ballistic Resistance, NIJ-STD-0101.06, Level IIIA, Summary of Results

Test Sample			Set-Up			Results				
Conditioning	Sample No.	Weight (lbs.)	Caliber	Obliquity	Shots (a)	Velocity (fps)		Penetration(s)	Deformation (mm) (b)	
						Max	Min		Max	Min
AMBIENT	A BACK	2.66	.44 MAG	0°	4	1450	1404	0	30	28
				30°	1	1437		0	N/A	
				45°	1	1432		0	N/A	
	A FRONT	4.16	.357 SIG	0°	4	1485	1463	0	23	18
				30°	1	1477		0	N/A	
				45°	1	1482		0	N/A	
	B BACK	2.74	.44 MAG	0°	4	1428	1402	0	28	27
				30°	1	1421		0	N/A	
				45°	1	1420		0	N/A	
	B FRONT	4.21	.357 SIG	0°	4	1482	1470	0	23	19
				30°	1	1483		0	N/A	
				45°	1	1470		0	N/A	
	C BACK	2.21	.44 MAG	0°	4	1430	1404	0	34	32
				30°	1	1413		0	N/A	
				45°	1	1436		0	N/A	
	C FRONT	3.40	.357 SIG	0°	4	1484	1472	0	26	20
				30°	1	1468		0	N/A	
				45°	1	1471		0	N/A	

(a) See individual data record(s) for specific shot details
 (b) Deformation of 5.5-inch clay backing

Report prepared by:

Tiffany Haines

Tiffany Haines
 Customer Operations Specialist

Report reviewed by:

Ray McBride

Ray McBride
 General Manager



TEST PANEL

Manufacturer : DAZZEON TECHNOLOGY CO., LTD.
Size : 13.5 x 13.75 in.
Thicknesses : NA
Avg. Thick. : NA
Description : PROPRIETARY

Sample No. : A BACK (.44 MAG)
Weight : 2.66 lbs.
Hardness : NA
Plies/Laminates : NA

Date Rec'd. : 5/17/2017
Via :
Returned :

SET-UP

Shot Spacing : NIJ-STD-0101.06
Witness Panel : NA
Obliquity : 0, 30 & 45 deg.
Backing Material : 5.5" CLAY/PLYWOOD
Conditioning : AMBIENT

Primary Vel. Screens : 6.5 ft., 11.5 ft.
Primary Vel. Location : 9.0 ft. From Muzzle
Residual Vel. Screens : NA
Residual Vel. Location : NA
Range to Target : 17.3 ft.
Target to Wit. : 0.0 in.

Range No. : 7
Temp. : 67 F
BP : 30.00 in. Hg
RH : 62%
Barrel No./Gun : .44 MAG R7
Gunner : KAHLER
Recorder : WILLIAMS

AMMUNITION

(1) : .44 MAG SJHP, 240 gr.
(2) :
(3) :
(4) :

Lot No. : SPEER J28W
Lot No. :
Lot No. :
Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

- (1) : NIJ-STD-0101.06 LEVEL IIIA (MODIFIED)
- (2) : PRE-TEST CLAY DROPS: 20mm, 19mm, 19mm, 20mm, 19mm
- (3) : PRE-TEST CLAY TEMP: 99.7 F

Shot No.	Ammo.	Time 1 (usec)	Velocity 1 (ft/s)	Time 2 (usec)	Velocity 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Footnotes
1	1	3450	1449	3446	1451	1450	None	DEF. 28mm
2	1	3451	1449	3448	1450	1449	None	DEF. 29mm
3	1	3505	1427	3500	1429	1428	None	DEF. 30mm
4	1	3494	1431	3489	1433	1432	None	(b)
5	1	3482	1436	3477	1438	1437	None	(a)
6	1	3562	1404	3558	1405	1404	None	

REMARKS :	FOOTNOTES : (a) SHOT IMPACTED AT A 30 DEGREE ANGLE. (b) SHOT IMPACTED AT A 45 DEGREE ANGLE.
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TEST PANEL

Manufacturer : DAZZEON TECHNOLOGY CO., LTD.
Size : 14.5 x 24.75 in.
Thicknesses : NA
Avg. Thick. : NA
Description : PROPRIETARY

Sample No. : A FRONT (.357 SIG)
Weight : 4.16 lbs.
Hardness : NA
Plies/Laminates : NA

Date Rec'd. : 5/17/2017
Via :
Returned :

SET-UP

Shot Spacing : NIJ-STD-0101.06
Witness Panel : NA
Obliquity : 0, 30 & 45 deg.
Backing Material : 5.5" CLAY/PLYWOOD
Conditioning : AMBIENT

Primary Vel. Screens : 6.5 ft., 11.5 ft.
Primary Vel. Location : 9.0 ft. From Muzzle
Residual Vel. Screens : NA
Residual Vel. Location : NA
Range to Target : 17.3 ft.
Target to Wit. : 0.0 in.

Range No. : 7
Temp. : 68 F
BP : 30.00 in. Hg
RH : 66%
Barrel No./Gun : .357 SIG R7
Gunner : KAHLER
Recorder : WILLIAMS

AMMUNITION

(1) : .357 SIG FMJ FN, 125 gr. Lot No. : SPEER 4362
(2) : Lot No. :
(3) : Lot No. :
(4) : Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

- (1) : NIJ-STD-0101.06 LEVEL IIIA (MODIFIED)
- (2) : PRE-TEST CLAY DROPS: 19mm, 20mm, 21mm, 19mm, 19mm
- (3) : PRE-TEST CLAY TEMP: 99.9 F

Shot No.	Ammo.	Time 1 (usec)	Velocity 1 (ft/s)	Time 2 (usec)	Velocity 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Footnotes
1	1	3405	1468	3400	1471	1470	None	DEF. 18mm
2	1	3419	1462	3415	1464	1463	None	DEF. 21mm
3	1	3381	1479	3376	1481	1480	None	DEF. 23mm
4	1	3388	1476	3383	1478	1477	None	(a)
5	1	3376	1481	3372	1483	1482	None	(b)
6	1	3370	1484	3366	1485	1485	None	

REMARKS :	FOOTNOTES : (a) SHOT IMPACTED AT A 30 DEGREE ANGLE. (b) SHOT IMPACTED AT A 45 DEGREE ANGLE.
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H.P. White Laboratory, Inc.

BALLISTIC RESISTANCE TEST

Client : 6024: DAZZEON TECHNOLOGY CO., LTD.

Job No. : 000007238 Test Date : 5/18/17

TEST PANEL

Manufacturer : DAZZEON TECHNOLOGY CO., LTD.
 Size : 13.5 x 13.75 in.
 Thicknesses : NA
 Avg. Thick. : NA
 Description : PROPRIETARY

Sample No. : B BACK (.44 MAG)
 Weight : 2.74 lbs.
 Hardness : NA
 Plies/Laminates : NA

Date Rec'd. : 5/17/2017
 Via :
 Returned :

SET-UP

Shot Spacing : NIJ-STD-0101.06
 Witness Panel : NA
 Obliquity : 0, 30 & 45 deg.
 Backing Material : 5.5" CLAY/PLYWOOD
 Conditioning : AMBIENT

Primary Vel. Screens : 6.5 ft., 11.5 ft.
 Primary Vel. Location : 9.0 ft. From Muzzle
 Residual Vel. Screens : NA
 Residual Vel. Location : NA
 Range to Target : 17.3 ft.
 Target to Wit. : 0.0 in.

Range No. : 7
 Temp. : 67 F
 BP : 30.00 in. Hg
 RH : 62%
 Barrel No./Gun : .44 MAG R7
 Gunner : KAHLER
 Recorder : WILLIAMS

AMMUNITION

(1) : .44 MAG SJHP, 240 gr. Lot No. : SPEER J28W
 (2) : Lot No. :
 (3) : Lot No. :
 (4) : Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

- (1) : NIJ-STD-0101.06 LEVEL IIIA (MODIFIED)
- (2) : PRE-TEST CLAY DROPS: 20mm, 19mm, 19mm, 20mm, 19mm
- (3) : PRE-TEST CLAY TEMP: 99.7 F

Shot No.	Ammo.	Time 1 (usec)	Velocity 1 (ft/s)	Time 2 (usec)	Velocity 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Footnotes
1	1	3504	1427	3500	1429	1428	None	DEF. 28mm
2	1	3539	1413	3534	1415	1414	None	DEF. 27mm
3	1	3508	1425	3503	1427	1426	None	DEF. 27mm
4	1	3520	1420	3516	1422	1421	None	(a)
5	1	3525	1418	3518	1421	1420	None	(b)
6	1	3569	1401	3564	1403	1402	None	

<u>REMARKS :</u>	<u>FOOTNOTES :</u> (a) SHOT IMPACTED AT A 30 DEGREE ANGLE. (b) SHOT IMPACTED AT A 45 DEGREE ANGLE.
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TEST PANEL

Manufacturer : DAZZEON TECHNOLOGY CO., LTD.
Size : 14.5 x 24.75 in.
Thicknesses : NA
Avg. Thick : NA
Description : PROPRIETARY

Sample No. : B FRONT (.357 SIG)
Weight : 4.21 lbs.
Hardness : NA
Plies/Laminates : NA

Date Rec'd. : 5/17/2017
Via :
Returned :

SET-UP

Shot Spacing : NIJ-STD-0101.06
Witness Panel : NA
Obliquity : 0, 30 & 45 deg.
Backing Material : 5.5" CLAY/PLYWOOD
Conditioning : AMBIENT

Primary Vel. Screens : 6.5 ft., 11.5 ft.
Primary Vel. Location : 9.0 ft. From Muzzle
Residual Vel. Screens : NA
Residual Vel. Location : NA
Range to Target : 17.3 ft.
Target to Wit. : 0.0 in.

Range No. : 7
Temp. : 68 F
BP : 30.00 in. Hg
RH : 66%
Barrel No./Gun : .357 SIG R7
Gunner : KAHLER
Recorder : WILLIAMS

AMMUNITION

(1) : .357 SIG FMJ FN, 125 gr. Lot No. : SPEER 4362
(2) : Lot No. :
(3) : Lot No. :
(4) : Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

- (1) : NIJ-STD-0101.06 LEVEL IIIA (MODIFIED)
- (2) : PRE-TEST CLAY DROPS: 19mm, 20mm, 21mm, 19mm, 19mm
- (3) : PRE-TEST CLAY TEMP: 99.9 F

Shot No.	Ammo.	Time 1 (usec)	Velocity 1 (ft/s)	Time 2 (usec)	Velocity 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Footnotes
1	1	3405	1468	3400	1471	1470	None	DEF. 19mm
2	1	3391	1474	3386	1477	1476	None	DEF. 20mm
3	1	3377	1481	3372	1483	1482	None	DEF. 23mm
4	1	3403	1469	3398	1471	1470	None	(b)
5	1	3373	1482	3369	1484	1483	None	(a)
6	1	3381	1479	3376	1481	1480	None	

REMARKS :	FOOTNOTES : (a) SHOT IMPACTED AT A 30 DEGREE ANGLE. (b) SHOT IMPACTED AT A 45 DEGREE ANGLE.
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H.P. White Laboratory, Inc.

BALLISTIC RESISTANCE TEST

Client : 6024: DAZZEON TECHNOLOGY CO., LTD.

Job No. : 000007238 Test Date : 5/18/17

TEST PANEL

Manufacturer : DAZZEON TECHNOLOGY CO., LTD.
Size : 13.5 x 13.75 in.
Thicknesses : NA
Avg. Thick. : NA
Description : PROPRIETARY

Sample No. : C BACK (.44 MAG)
Weight : 2.21 lbs.
Hardness : NA
Plies/Laminates : NA

Date Rec'd. : 5/17/2017
Via :
Returned :

SET-UP

Shot Spacing : NIJ-STD-0101.06
Witness Panel : NA
Obliquity : 0,30 & 45 deg.
Backing Material : 5.5" CLAY/PLYWOOD
Conditioning : AMBIENT

Primary Vel. Screens : 6.5 ft., 11.5 ft.
Primary Vel. Location : 9.0 ft. From Muzzle
Residual Vel. Screens : NA
Residual Vel. Location : NA
Range to Target : 17.3 ft.
Target to Wit. : 0.0 in.

Range No. : 7
Temp. : 69 F
BP : 30.00 in. Hg
RH : 68%
Barrel No./Gun : .44 MAG R7
Gunner : KAHLER
Recorder : WILLIAMS

AMMUNITION

(1) : .44 MAG SJHP, 240 gr.
(2) :
(3) :
(4) :

Lot No. : SPEER J28W
Lot No. :
Lot No. :
Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

- (1) : NIJ-STD-0101.06 LEVEL IIIA (MODIFIED)
- (2) : PRE-TEST CLAY DROPS: 20mm, 21mm, 19mm, 19mm, 19mm
- (3) : PRE-TEST CLAY TEMP: 99.5 F

Shot No.	Ammo.	Time 1 (usec)	Velocity 1 (ft/s)	Time 2 (usec)	Velocity 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Footnotes
1	1	3500	1429	3495	1431	1430	None	DEF. 34mm
2	1	3565	1403	3560	1404	1404	None	DEF. 32mm
3	1	3564	1403	3560	1404	1404	None	DEF. 34mm
4	1	3483	1436	3479	1437	1436	None	(b)
5	1	3540	1412	3536	1414	1413	None	(a)
6	1	3515	1422	3510	1425	1423	None	

REMARKS :	FOOTNOTES : (a) SHOT IMPACTED AT A 30 DEGREE ANGLE. (b) SHOT IMPACTED AT A 45 DEGREE ANGLE.
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TEST PANEL

Manufacturer : DAZZEON TECHNOLOGY CO., LTD.
Size : 14.5 x 24.75 in.
Thicknesses : NA
Avg. Thick : NA
Description : PROPRIETARY

Sample No. : C FRONT (.357 SIG)
Weight : 3.40 lbs.
Hardness : NA
Plies/Laminates : NA

Date Rec'd. : 5/17/2017
Via :
Returned :

SET-UP

Shot Spacing : NIJ-STD-0101.06
Witness Panel : NA
Obliquity : 0,30 & 45 deg.
Backing Material : 5.5" CLAY/PLYWOOD
Conditioning : AMBIENT

Primary Vel. Screens : 6.5 ft., 11.5 ft.
Primary Vel. Location : 9.0 ft. From Muzzle
Residual Vel. Screens : NA
Residual Vel. Location : NA
Range to Target : 17.3 ft.
Target to Wit. : 0.0 in.

Range No. : 7
Temp. : 70 F
BP : 30.00 in. Hg
RH : 65%
Barrel No./Gun : .357 SIG R7
Gunner : KAHLER
Recorder : WILLIAMS

AMMUNITION

(1) : .357 SIG FMJ FN, 125 gr. Lot No. : SPEER 4362
(2) : Lot No. :
(3) : Lot No. :
(4) : Lot No. :

APPLICABLE STANDARDS OR PROCEDURES

- (1) : NIJ-STD-0101.06 LEVEL IIIA (MODIFIED)
- (2) : PRE-TEST CLAY DROPS: 21mm, 20mm, 20mm, 21mm, 19mm
- (3) : PRE-TEST CLAY TEMP: 99.1 F

Shot No.	Ammo.	Time 1 (usec)	Velocity 1 (ft/s)	Time 2 (usec)	Velocity 2 (ft/s)	Avg. Vel. (ft/s)	Penetration	Footnotes
1	1	3400	1471	3395	1473	1472	None	DEF. 20mm
2	1	3377	1481	3372	1483	1482	None	DEF. 22mm
3	1	3372	1483	3367	1485	1484	None	DEF. 26mm
4	1	3408	1467	3403	1469	1468	None	(a)
5	1	3401	1470	3397	1472	1471	None	(b)
6	1	3393	1474	3389	1475	1474	None	

REMARKS :	FOOTNOTES : (a) SHOT IMPACTED AT A 30 DEGREE ANGLE. (b) SHOT IMPACTED AT A 45 DEGREE ANGLE.
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